

DaimlerChrysler AG

Patent Claims

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1. A hydraulic stabilizing device for vehicles,
having an actuator that can be acted on in opposite
directions, in particular a roll stabilizing device
having an actuator which is assigned to an axle of a
10 vehicle and has connection lines opening out on its
acted-on sides corresponding to the opposite actuating
directions, with a switching device, which can be
switched between a direct pass-through position and a
crossed-over pass-through position, and, in series with
15 the switching device, a switching apparatus, which can
be switched between a pass-through position and a
blocking position as its basic position, located in the
connection of these connection lines to a pressure
source and a pressure reducer, characterized in that
20 the switching apparatus (18) comprises two separate
switching valves (20, 21) which are arranged in
parallel with one another and of which one switching
valve (20) has a blocking position and a direct pass-
through position and the other switching valve (21) has
25 a blocking position and a crossed-over pass-through
position.

2. The hydraulic stabilizing device as claimed in
claim 1, characterized in that the switching device
30 (17) is formed by a 4/2 way valve.

3. The hydraulic stabilizing device as claimed in
claim 1 or 2, characterized in that the switching
valves (20, 21) of the switching apparatus (18) are
35 formed by 4/2 way valves.

4. The hydraulic stabilizing device as claimed in one
of the preceding claims, characterized in that the

switching device (17) is arranged upstream of the switching apparatus (18).

5 5. The hydraulic stabilizing device as claimed in one of claims 1 to 3, characterized in that the switching device (17) is arranged downstream of the switching apparatus (18).

10 6. The hydraulic stabilizing device as claimed in one of the preceding claims, characterized in that pressure sensors (24, 25) are arranged downstream of the switching apparatus (18) in the lines (22, 23) leading to the actuator.

15 7. The hydraulic stabilizing device as claimed in claim 5 or 6, characterized in that the pressure sensors (24, 25) are located between switching apparatus (18) and switching device (17).

20 8. The hydraulic stabilizing device as claimed in claim 5 or 6, characterized in that the pressure sensors (24, 25) are located downstream of the switching device (19).